

Paid as follows :

A. P. Carpenter, Edgerly suit,	\$200.00	
Ray & Walker,	100.00	
John Y. Mugridge,	100.00	
Sanborn & Clark, Edgerly suit,	351.46	
Ray & Walker,	117.44	
“	100.00	
	<hr/>	\$968.90

PUBLIC LIBRARY.

Appropriation for 1882, \$1,400.00

Paid as follows :

Board of Trade building, rent,	\$400.00	
D. F. Secomb, librarian,	350.00	
Wm. P. Fiske, treasurer,	650.00	
	<hr/>	\$1,400.00

PRECINCT.

Unexpended balance, 1881, \$182.78

Appropriations for 1882 :

For principal and interest on state-house		
loan,	3,670.00	
For lighting streets,	2,600.00	
For water for fire hydrants,	3,680.00	
For interest on sewer loan,	2,240.00	
For payment of sewer bonds,	8,000.00	
	<hr/>	\$20,372.78

Paid as follows :

Nathaniel Tufts, supplies,	\$106.57	
Geo. E. Minot,	50.00	
Concord Gas-Light Co.,	2,806.68	
City Water-Works, water for fire-		
hydrants,	3,766.67	
W. S. Davis & Son, repairs,	17.50	
Interest on sewer loan,	2,220.00	

Interest on state-house loan,	\$2,532.00	
Bonds paid " " "	500.00	
Bonds paid sewer loan,	8,000.00	
	<hr/>	\$19,999.52
Balance unexpended,		\$373.26

SEWERS.

Unexpended balance, 1881,	\$420.95	
Appropriation for 1882,	1,000.00	
	<hr/>	\$1,420.95

Paid as follows :

J. H. Rowell, pay-roll,	\$100.00	
" " "	100.00	
" " "	610.71	
" " "	23.25	
" " "	240.36	
	<hr/>	\$1,074.32
Balance unexpended,		\$346.63

SCHOOLS.

Balance undrawn, 1881,	\$1,712.75	
Appropriation for 1882,	22,225.00	
Walker fund, interest,	60.00	
Additional in Union District,	6,265.00	
" District No. 3,	500.00	
" District No. 7,	75.00	
Literary fund,	1,124.70	
Dog tax, 1880 and 1881,	340.50	
	<hr/>	\$32,302.95

Paid as follows :

Robert W. Hoit, District No. 1,	\$73.75
W. D. Perkins, " 1,	159.90
Luther Knowles, " 2,	124.25
O. L. Shepard, " 3,	1,333.00

Geo. B. Little, District No. 4,	\$50.00
Franklin J. Emerson, " 5,	119.95
John Jordan, " 6,	80.75
John E. Baker, " 7,	148.25
Geo. W. Chesley, " 8,	240.75
Warren Clark, Union District,	14,500.00
A. S. Farnum, District No. 12,	531.00
Wm. F. Sargent, " 13,	100.00
C. H. Sanborn, " 14,	87.15
John T. Tenney, " 15,	85.48
Giles Wheeler, " 18,	63.15
Geo. T. Abbott, " 18,	135.00
Henry Rolfe, " 20,	1,905.00
Nahum Prescott, " 22,	124.45
Jeremiah B. Ellis, " 23,	73.45
Peter H. Batchelder, " 23,	73.10
Robert K. Buswell, " 18, }	10.90
Hopkinton and Concord, }	
	<hr/> \$20,019.28
Balance undrawn,	<hr/> \$12,283.67

SCHOOL-HOUSE TAXES.

Appropriation for principal and interest school-house debt Union District,	\$7,000.00
For repairs of Merrimack and Rumford school-houses,	1,000.00
For improving walks in Rumford and Penacook school-house lots,	1,000.00
For repairs in District No. 8,	50.00
For well and pump, District No. 12,	50.00
For repairs, interest, and insurance in District No. 20,	365.00
	<hr/> \$9,465.00

Paid as follows :

A. S. Farnum, District No. 12,	\$50.00	
Geo. W. Chesley, " 8,	50.00	
Henry Rolfe, " 20,	365.00	
Warren Clark, Union District,	2,000.00	
John Kimball, agent, Union District,	7,000.00	
	<hr/>	\$9,465.00

PENACOOK PARK.

Appropriation for 1882,	\$1,000.00	
Transferred from incidentals account,	72.76	
	<hr/>	\$1,072.76

Paid as follows :

Foss & Merrill, surveying,	\$38.20	
O. L. Shepard, superintendent,	250.00	
Daniel Farnum, building road,	668.56	
James Francis, sup't 1880 and 1881,	50.00	
L. D. Brown, building,	22.00	
Foss & Merrill, surveying,	9.00	
Geo. Partridge, police service,	35.00	
	<hr/>	\$1,072.76

CEMETERY AT FISHERVILLE.

Special appropriation,	\$700.00	
	<hr/>	\$700.00
Paid as follows :		
John C. Linehan,	\$400.00	
Moses Humphrey,	300.00	
	<hr/>	\$700.00

LIGHTING STREETS, DISTRICT No. 20.

Appropriation for 1882,	\$1,000.00	
	<hr/>	\$1,000.00
Paid as follows :		
Charles H. Sanders, chairman com.,	\$1,000.00	
	<hr/>	\$1,000.00

STEAM FIRE ENGINE.

Special appropriation,	\$3,000.00	
	<u> </u>	\$3,000.00
Paid as follows :		
Silsby Manufacturing Company,	\$3,000.00	
	<u> </u>	\$3,000.00

DECORATION DAY.

Appropriation for 1882,	\$150.00	
	<u> </u>	\$150.00
Paid as follows :		
S. N. Ellsworth,	\$110.00	
John C. Linehan,	30.00	
H. H. Farnum,	10.00	
	<u> </u>	\$150.00

DOG TAX.

For 1882,	\$207.00	
	<u> </u>	\$207.00
Paid as follows :		
Jed F. Gile, sheep killed,	\$10.00	
W. E. Runnells, "	6.00	
B. G. Davis,	6.00	
	<u> </u>	\$22.00
Balance,		<u>\$185.00</u>

HOUSE AND LAND.

Appropriation,	\$300.00	
	<u> </u>	\$300.00
Paid as follows :		
Charles T. Huntoon,	\$300.00	
	<u> </u>	\$300.00

BOUNTY ON CROWS.

Paid as follows :		
J. A. Cochran, paid sundry persons,		\$21.10

GRANITE QUARRIES.

Received of Putney & Nutting,	\$98.21	
“ Joseph Gray,	42.64	
“ Crowley & Quinn,	32.01	
“ Geo. W. Waters,	25.00	
	<hr/>	\$197.86
Paid L. L. Farwell,		\$197.86

KNIBBS PATENT SUITS.

Special appropriation,	\$634.92	
	<hr/>	\$634.92
Paid R. A. Ray, treasurer,	\$317.46	
	<hr/>	\$317.46
Balance,		<hr/> \$317.46

CITY PROPERTY.

City Hall lot, and half of building,	\$40,000.00
City farm,	15,000.00
Personal property at farm, by appraisal,	3,723.95
Gravel lot on Washington street,	2,000.00
Lot on Warren and Liberty streets,	700.00
Land and buildings on Warren street,	10,000.00
Land in Ward 2,	300.00
Ward-house, Ward 2,	3,000.00
Ward-house, Ward 6,	6,000.00
City store-house, lot, lumber, and stone,	5,000.00
Tools in hands of commissioner of highways,	1,000.00
Receiving tomb,	350.00
Furniture in City Hall building,	200.00
“ Mayor’s office,	125.00
“ City Clerk’s office,	100.00
“ City Marshal’s office,	100.00
“ Collector’s office,	200.00
Seven horses,	1,500.00

Harnesses and stable fixtures,	\$350.00
Street sprinklers, pipes, and fixtures,	800.00
Legacy of Abiah Walker, for schools,	1,000.00
“ G. P. Lyon, for library,	1,000.00
“ Franklin Pierce, for library,	1,000.00
City Library,	5,000.00
Old Cemetery fund, city bonds,	715.00
Blossom Hill Cemetery fund, bonds,	3,550.00
West Concord Cemetery fund,	60.00
Central fire-station,	34,000.00
Steam heating apparatus,	1,000.00
Property in hands of fire department,	32,595.50
Fire alarm,	5,000.00
Stone-crusher and screen,	900.00
Engine,	1,100.00
Building for stone-crusher,	500.00
Street-sweeper,	325.00
Horse-cart and wagon,	50.00
Engine-house and lot at Fisherville,	8,000.00
Wagon at central fire-station,	100.00
Sleigh “ “	30.00
Gravel bank, East Concord,	100.00
House and lot on Plains,	300.00
	<hr/>
	\$186,874.45

APPROPRIATIONS, 1882.

For city paupers,	\$1,000.00
fire department,	8,500.00
incidentals and land damages,	5,500.00
roads and bridges,	21,000.00
committee service,	900.00
police and watch,	4,000.00
printing and stationery,	1,000.00
professional services,	500.00
salaries,	5,000.00

For interest on city debt,	\$9,240.00
payment of city bonds,	16,000.00
public library,	1,400.00
state tax,	25,376.00
county tax,	28,548.00
schools,	22,225.00
decorating soldiers' graves,	150.00
engine-house, Ward 1,	1,800.00
Park, West Concord,	1,000.00
pair horses fire department,	500.00
rent of Eagle hall for military and ward purposes,	200.00
house and lot,	300.00
	<hr/> \$153,139.00

SPECIAL APPROPRIATIONS.

For cemetery at Fisherville,	\$700.00
steam fire-engine, Ward 1,	3,000.00
fire department,	3,115.56
engine-house, Ward 1,	874.47
carrying water to Fair Ground,	500.00
purchase of horse,	350.00
	<hr/> \$8,540.03

Whole amount appropriated, \$161,679.03

PRECINCT APPROPRIATIONS, 1882.

For payment of principal and interest due on precinct state-house loan,	\$3,670.00
lighting streets.	2,600.00
construction of sewers,	1,000.00
payment of interest on sewer loan,	2,240.00
water for public fire hydrants,	3,680.00
payment of sewer bonds,	8,000.00
	<hr/> \$21,190.00

CITY DEBT AND ASSETS.

FUNDED DEBT, PAYABLE AS FOLLOWS:

When due.	Rate of int.	Payable.	Amount.
Nov. 1, 1883,	6,	semi-annually,	\$3,000
Jan. 1, 1884,	6,	annually,	2,000
April 1, 1884,	6,	semi-annually,	7,000
Nov. 1, 1884,	6,	semi-annually,	5,000
Jan. 1, 1885,	6,	annually,	2,000
April 1, 1885,	6,	semi-annually,	5,000
Nov. 1, 1885,	6,	semi-annually,	9,000
Jan. 1, 1886,	6,	annually,	1,500
April 1, 1886,	6,	semi-annually,	1,000
Nov. 1, 1886,	6,	semi-annually,	10,000
Jan. 1, 1887,	6,	annually,	1,500
Oct. 1, 1887,	6,	semi-annually,	10,000
Jan. 1, 1888,	6,	annually,	1,000
Oct. 1, 1888,	6,	semi-annually,	8,500
Jan. 1, 1889,	6,	annually,	2,000
Oct. 1, 1889,	6,	semi-annually,	10,000
Jan. 1, 1890,	6,	annually,	2,000
Oct. 1, 1890,	6,	semi-annually,	10,000
Jan. 1, 1891,	6,	annually,	1,000
Oct. 1, 1891,	6,	semi-annually,	6,250
Nov. 1, 1891,	6,	semi-annually,	6,000
Oct. 1, 1892,	6,	semi-annually,	2,000
Nov. 1, 1892,	6,	semi-annually,	10,000
Oct. 1, 1893,	6,	semi-annually,	4,250
Nov. 1, 1893,	6,	semi-annually,	8,000
Oct. 1, 1894,	6,	semi-annually,	4,000
Nov. 1, 1894,	6,	semi-annually,	7,000
Oct. 1, 1895,	6,	semi-annually,	3,000
			<hr/>
			\$142,000

OUTSTANDING CLAIMS.

Coupons due, but not presented,	\$412.50	
Accrued interest on \$142,000 city bonds,	1,645.00	
Bonds due but not presented,	1,500.00	
Due for salaries and committee service,	710.00	
Due school-districts,	12,283.67	
Award for land damage,	35.00	
Highway bills unpaid,	300.00	
	<hr/>	\$16,886.17
Funded debt brought forward,		142,000.00
		<hr/>
		\$158,886.17

AVAILABLE ASSETS.

Cash in treasury,	\$16,626.01	
Due on tax-list, 1880,	1,002.48	
“ 1881,	4,906.91	
“ 1882,	35,035.62*	
Due from county of Merrimack,	2,236.76	
Due from Whittemore & Kimball, rent,	50.00	
	<hr/>	\$59,857.78
		<hr/>
Indebtedness above assets,		\$99,028.39

CITY PRECINCT DEBT AND ASSETS.

State-house precinct notes, 6 per cent.,		
semi-annually, payable Dec. 1, 1883,		\$1,000
“ 1884,		1,000
“ 1885,		1,500
“ 1886,		2,500
“ 1887,		3,000
“ 1888,		3,500
“ 1889,		2,000
“ 1890,		3,000
“ 1891,		2,000

* \$2,500 deducted for estimated abatements.

State-house precinct notes, 6 per cent., semi-annually, payable Dec. 1, 1892,	\$2,000
“ 1893,	2,000
“ 1894,	3,000
“ 1895,	10,000
“ 1896,	7,000
	<hr/>
	\$43,500
Precinct notes for sewers, 6 per cent., payable \$8,000 annually on and after Dec. 1, 1883,	24,000
Precinct notes for sewers, 4 per cent., payable Dec. 1, 1886,	8,000
City Water-Works loan,	395,000
	<hr/>
	\$470,500

INDEBTEDNESS OF PRECINCT, JAN. 1, 1883.

State-house debt,	\$43,500.00
Water-Works debt,	395,000.00
Sewer debt,	32,000.00
Accrued interest on \$43,500 state-house bonds,	218.50
Accrued interest on \$32,000 sewer loan,	146.67
State-house bonds due, but not presented,	700.00
Coupons due and not presented :	
Precinct,	309.00
Water-Works,	909.00
Sewer loan,	20.00
	<hr/>
	\$472,803.17
Precinct assets :	
City Water-Works,	\$393,000.00
Bonds unsold,	2,000.00
	<hr/>
	\$395,000.00
	<hr/>
Indebtedness of precinct above assets,	\$77,803.17

POLLS, VALUATION, AND TAXES ASSESSED.

The number of polls, and the tax assessed on the real and personal estate in the city of Concord, since 1860:

Year.	No. of Polls.	Valuation.	Tax.
1860	2,577	\$4,307.192	\$47,082.25
1861	2,497	4,423.936	46,290.48
1862	2,350	4,308,568	50,945.01
1863	2,454	3,775.206	60,293.82
1864	2,539	3,832.800	89,931.97
1865	2,495	5,549,002	158,787.29
1866	2,762	4,934,082	116,192.97
1867	2,822	5,006.774	145,173.49
1868	3,120	5,378,365	126,889.71
1869	3,205	5,581,459	146,791.64
1870	3,187	5,751.928	133,953.94
1871	3,338	5,891,993	137,814.70
1872	3,767	5,917,054	141,122.97
1873	3,613	9,012,650	158,281.13
1874	3,784	9,000,526	171,045.61
1875	3,941	9,216,195	175,234.68
1876	3,911	9,222,625	163,768.29
1877	4,015	9,405,117	177,040.27
1878	3,869	9,241,485	165,056.08
1879	3,536	10,604,465	155,964.99
1880.	Polls.	Valuation.	Tax.
Ward 1,	418	\$839,382	\$12,759.01
2,	245	445.273	5,792.05
3,	240	415.709	5,812.10
4,	903	2,250,709	38,492.67
5,	648	3,153.437	55,620.42
6,	818	2,377,297	43,270.75
7,	400	668,779	8,669.99
Non-resident,			2,414.13
	3672	\$10,150,586	\$172,831.12
1881.	Polls.	Valuation.	Tax.
Ward 1,	392	\$831,450	\$10,937.50
2,	213	405,019	4,695.68
3,	210	434,245	5,234.39
4,	763	2,181,846	34,435.61
5,	712	3,155,864	51,312.78
6,	818	2,376,947	37,091.10
7,	397	677,523	7,877.51
Non-resident,			1,701.08
	3,505	\$10,062,894	\$153,285.55
1882.	Polls.	Valuation.	Tax.
Ward 1,	402	\$816,552	\$10,373.39
2,	210	439,108	4,811.94
3,	239	439,868	4,913.00
4,	907	2,299,970	35,356.91
5,	690	3,206,206	49,356.47
6,	820	2,462,667	38,094.66
7,	393	643,881	7,715.17
Non-resident,			1,320.00
	3661	\$10,308,052	\$151,941.54

ELEVENTH ANNUAL REPORT
OF THE
Board of Water Commissioners
TO THE CITY COUNCIL,
FOR THE YEAR ENDING DECEMBER 31, 1882.

BOARD OF WATER COMMISSIONERS.

GEORGE A. CUMMINGS, Mayor, *ex-officio*.

JOHN KIMBALL,	.	.	.	.	to March 31, 1883.
WILLIAM M. CHASE,	.	.	.	.	to March 31, 1883.
JAMES R. HILL,	.	.	.	.	to March 31, 1884.
JAMES L. MASON,	.	.	.	.	to March 31, 1884.
SAMUEL S. KIMBALL,	.	.	.	.	to March 31, 1885.
LUTHER P. DURGIN,	.	.	.	.	to March 31, 1885.

OFFICERS.

JOHN KIMBALL, *President*.

WILLIAM M. CHASE, *Clerk*.

V. C. HASTINGS, *Superintendent*.

REPORT.

To the City Council:

The Board of Water Commissioners submit their Eleventh Annual Report, for the year ending December 31, 1882.

The receipts and expenditures of the board during the year have been as follows :

RECEIPTS.

For water-rates, including amount received from the city precinct for hydrants,	\$26,666.38	
extra from delinquents,	27.33	
use of metres,	27.55	
rent of Cooledge house,	100.00	
rent of Cooledge lot,	10.00	
rent of stable at the dam,	40.00	
rent of kit factory,	392.00	
		<hr/>
		\$27,263.26
Deduct abatements,		20.20
		<hr/>
Total receipts for 1882,		\$27,243.06

EXPENDITURES.

Paid V. C. Hastings, superintendent,	\$1,200.00
Edwin Byrnes, labor,	540.00
Nathaniel White, rent,	300.00
Geo. H. H. Silsby & Son, printing and postal cards,	104.69

Paid Evans, Sleeper & Woodbury, cards,	\$2.25
Concord Gas-Light Co., gas,	19.17
Robertson, Rowell & Co., coal,	21.15
Ranlet & Marsh, coal,	17.50
Brown & Bean, wood,	4.00
Telephone Exchange,	108.00
Pay-roll for labor,	183.48
O. F. Richardson, labor,	39.90
Moses Humphrey, labor,	23.57
George Goodhue, pipe and supplies,	122.38
Phillips & Weeden, brass goods,	13.50
Walworth Man'f'g Co., tools,	4.94
R. Pattee, hydrant,	40.00
Ludlow Valve Co., gate stems,	28.44
John A. White, machine work,	4.30
Union Water Meter Co., meter,	27.00
National Meter Co., meter,	32.00
Fuller, Dana & Fitz, iron,	21.89
Sewell & Day, Manila cord,	8.54
Connell & Savory, painting,	34.23
Ford & Kimball, iron castings,	23.06
Frank Coffin, cement,	14.00
Woodworth, Dodge & Co., cement,	7.15
Humphrey, Dodge & Smith, hardware,	20.07
Gust Walker, hardware,	21.36
James Moore & Sons, hardware,	3.15
N. M. Weeks, blacksmith work,	3.96
B. G. Carter, blacksmith work,	3.91
W. S. Davis & Son, blacksmith work,	4.65
Stephen Sewall, teaming,	7.90
George. L. Theobald, trucking,	6.60
Holt Brothers, lumber,	33.33
E. B. Hutchinson, lumber and labor,	41.85
Lowell Eastman, windows,	6.57
M. B. Edson, charts,	4.55
Higgins & Patten, chairs,	24.50

Paid Morse & Whyte, counter-rail,	\$30.00
Batchelder & Co., oil,	2.51
Dow & Wheeler, plans,	3.00
Putney & Nutting, stone,	3.50
Ordway & Ferrin, brick,	1.50
James R. Hill & Co., supplies,	2.50
Incidentals,	96.53
	<hr/> \$3,267.08
Net earnings for the year,	\$23,975.98
Deduct amount required to pay one year's interest on the water debt,	<hr/> 21,000.00
Leaving a net balance over the expense, for care, maintenance, and interest, of	<hr/> \$2,975.98

A new hydrant has been placed at the corner of Union and Maple streets. The expense is included in the above.

The Board, in their report for 1881, considered some of the defects in the Water-Works, as then constructed, particularly the difficulty of furnishing a continuous supply of water to the higher points of the precinct. They also called your attention to the importance of laying an additional main pipe from Franklin street to the pond, concluding that portion of their report as follows :

“ The Board, after a thorough investigation and careful consideration of the subject, have unanimously voted to lay a second and larger main from the dam to a point opposite the entrance to Blossom Hill Cemetery, and to lay a large pipe from that point through Walnut street to its intersection with Franklin street. * * * The Board are of the opinion that this main can be laid, with all necessary connections, gates, and appurtenances, for a sum not exceeding fifty thousand dollars. * * * They respectfully ask you to take such measures as will place at their disposal sufficient funds to do this work.”

The city council voted to furnish the amount of funds required to proceed with the work immediately.

February 15, 1882, proposals were issued by the Board asking for bids as follows :

1st. To lay a cement-lined pipe, 18 inches in diameter, from a point near the entrance to Blossom Hill Cemetery to the meter-house near the dam, a distance of 11,460 feet.

2d. To lay a cement-lined pipe 12 inches in diameter from Franklin street north through Walnut street, connecting with the 18-inch pipe near the entrance to Blossom Hill Cemetery, a distance of 3,290 feet.

3d. To lay a cement-lined pipe 4 inches in diameter from Bradley street west through Perkins street, connecting with the 12-inch pipe in Walnut street, a distance of 650 feet, with a hydrant at the junction.

February 25, 1882, the contract was awarded to Messrs. Goodhue & Birnie, of Springfield, Mass., they being the lowest bidders, for the sum of forty-four thousand and nine hundred dollars.

During the summer several citizens residing on South street petitioned the city council to enlarge the water precinct so much as to include their estates. The prayer of the petitioners was granted.

July 1, 1882, the Board voted to extend the 6-inch pipe farther south in South street a distance of 2,240 feet, with two fire hydrants attached.

At the same meeting the Board voted to extend the 6-inch pipe farther south in Turnpike street a distance of 713 feet, with one fire hydrant attached.

Special contracts were made with Messrs. Goodhue & Birnie for laying these extensions, and furnishing gates, pipe, and other materials for the completion of the additions and improvements necessary to be made.

December 1, 1882, the Board made an agreement with the Concord Manufacturing Company, a corporation owning water-power and mills at West Concord near our dam, leasing to said company the property owned by the city known as the "kit-factory," and certain rights in the water-power

and lands, also owned by the city, situate on the Cooledge lot, so called, for the term of ten years from January 1, 1883, said company agreeing to allow the city to draw and use all the water required for its Water-Works without measurement during said term, the city agreeing to pay said company the sum of three thousand dollars.

The work, as indicated above, has been completed during the year, and is now in successful operation.

It will be observed that the new 18-inch main pipe terminates near the entrance to Blossom Hill Cemetery. Should the necessities of the city ever require a larger supply of water, it is the intention of the Board to continue this pipe southerly through State, Fisk, and Main streets.

The Board take pleasure in being able to state that the contractors have performed their contract faithfully, and to the entire satisfaction of the Board; and though they were required to make some changes from the contract, and to do some extra work, they have made no claim for extra compensation therefor. They understand their business, and are willing to perform their contracts.

The following financial statement shows the receipts and disbursements on account of said work :

RECEIPTS.

Balance on hand Dec. 31, 1881, as per		
treasurer's report,	\$4,747.28	
Balance on hand Dec. 31, 1882, as stated in this report,	2,975.98	
Water-bonds sold, par,	43,000.00	
Premium on the same,	2,381.25	
Accrued interest on the same,	71.77	
	<hr/>	\$53,176.28

DISBURSEMENTS.

Paid Goodhue & Birnie,	\$44,900.00
Goodhue & Birnie, for South street extension,	2,175.87
Goodhue & Birnie, for Turnpike street extension,	770.25
Goodhue & Birnie, for 270 feet 18-inch pipe,	540.00
Goodhue & Birnie, for gates, hydrants, and pipe,	721.06
Republican Press Association, for printing,	46.00
V. C. Hastings, sup't,	300.00
Concord Man'f'g Co.,	3,000.00
Foss & Merrill, engineers,	89.66
C. H. Norton & Son, horse hire,	6.25
	<hr/> \$52,549.09
Leaving a balance on hand of	<hr/> \$627.19*

The year 1882 was one of unprecedented drought. Hon. W. L. Foster, in his "weather report," says, "The rain-fall was $1\frac{68}{100}$ inches less than the smallest annual rain-fall recorded in twenty-seven years."

The following table shows the height of the water at the dam on the first day of each month :

January, . . .	177.60	July, . . .	181.10
February, . . .	177.90	August, . . .	180.20
March, . . .	178.70	September, . . .	178.70
April, . . .	180.40	October, . . .	178.70
May, . . .	180.60	November, . . .	177.80
June, . . .	181.10	December, . . .	176.90

The lowest point reached was December 1, being 176.90,

* The difference between this balance and the Treasurer's balance, as shown on page 60, arises from the fact that some of the Water-Works coupons have not been presented for payment.

and the highest, June 2, 181.40 ; mean height, 179.15, being 4¹¹/₁₆ feet higher than during the year 1881.

For the past ten years the average height of the water in each year has been as follows :

1873,	.	.	175.86	1878,	.	.	179.50
1874,	.	.	179.50	1879,	.	.	179.74
1875,	.	.	180.00	1880,	.	.	175.31
1876,	.	.	180.28	1881,	.	.	174.70
1877,	.	.	176.46	1882,	.	.	179.15

Mean height for ten years, 178.05.

We publish below the receipts for each year for ten years, which show that the amount received during the last year is larger than ever before. The amounts are as follows :

For the year ending January 31, 1874,	.	.	\$4,431.10
For fifteen months ending April 1, 1875,	.	.	17,535.00
For the year ending April 1, 1876,	.	.	16,921.24
For the year ending April 1, 1877,	.	.	19,001.07
For the year ending April 1, 1878,	.	.	20,763.03
For the year ending April 1, 1879,	.	.	21,869.86
For the year ending April 1, 1880,	.	.	22,451.53
For the year ending April 1, 1881,	.	.	26,744.58
For nine months ending January 1, 1882,	.	.	25,534.01
For the year ending January 1, 1883,	.	.	27,243.06

Total receipts for ten years, . . . \$202,494.48

Our city has now been supplied with water from Long Pond for a period of ten years. We can review these years with much satisfaction. No one at the present time doubts the wisdom of the undertaking. Its practicability and usefulness have been demonstrated beyond question. The original works were thoroughly constructed, so that only a very small sum has been required for repairs. The cement-lined pipe has been found to be adapted to our wants. The water

supplied has been pure, and generally abundant. Takers have increased from year to year, and are still increasing; the rates have been reduced; large improvements have been made in the works; and with moderate rates the income is ample to pay interest charges on the bonded debt, and all charges for care and maintenance. The destruction of property in the city by fire has been largely diminished in consequence of the ample supply of water at hand to extinguish fires. Insurance rates have been correspondingly reduced. The great majority of our citizens have been abundantly supplied with water for family uses, and large quantities have been furnished for sprinkling lawns and other purposes. By the recent improvements, it is believed that every citizen who desires the water can be supplied, and that the annoyances that have heretofore occurred at the high points in the city, by reason of an intermittent supply, will be remedied. As our population increases, the demands upon the Water-Works will increase; but the stores in reserve are ample for our probable wants for generations to come. Of the many attractions of our beautiful city, this certainly is not the least. Its blessings literally flow to us continually and abundantly, and at a reasonable rate.

Respectfully submitted.

JOHN KIMBALL,
 WILLIAM M. CHASE,
 JAMES L. MASON,
 JAMES R. HILL,
 SAMUEL S. KIMBALL,
 LUTHER P. DURGIN,
 GEO. A. CUMMINGS, *ex-officio*,
Commissioners.

TABLE—*Showing Summary of Main, Distribution, and Service Pipes now laid and in use.*

30-inch main,	.	.	.	.	1,950 feet.
18-inch "	.	.	.	.	11,460 "
16-inch "	.	.	.	.	151 "
14-inch "	.	.	.	.	13,581 "
14-inch distribution,	.	.	.	.	3,704 "
12-inch "	.	.	.	.	4,912 "
10-inch "	.	.	.	.	3,034 "
8-inch "	.	.	.	.	8,667 "
6-inch "	.	.	.	.	40,902 "
4-inch "	.	.	.	.	45,995 "
1-inch "	.	.	.	.	14,989 "
$\frac{1}{2}$ -inch "	.	.	.	.	10,952 "

Total,

157,597 feet.

—equal to 29.84 miles.

1,774 service pipes, or 39,431 feet ; 100 public hydrants ; 12 private hydrants ; 175 stop-gates.

Water is now supplied for the following uses :

2130 families,	104 stores,
183 bath-tubs,	3 railroads,
571 water-closets,	1 gas-works,
403 wash-basins,	21 stationary engines,
50 urinals,	2 book-binderies,
624 yard hydrants,	5 printing establishments,
100 fire hydrants,	1 organ manufactory,
12 private fire hydrants,	4 carriage manufactories,
64 heating apparatus,	1 soap manufactory,
4 hotels,	7 public watering-troughs,
3 greenhouses,	5 photographers,
10 fountains,	3 foundries,
8 churches,	1 tannery,
6 school-houses,	2 bakeries,
1 state-house,	4 eating-houses,
1 state prison,	23 mechanics' shops,
7 livery stables,	9 barber shops,
497 horses,	8 saloons,
115 cattle,	1 jail,
1 Odd Fellows' hall,	4 cemeteries,
1 Masonic hall,	4 street sprinklers,
5 city buildings,	1 drinking fountain,
75 offices,	1 brick-yard,
4 banks,	12 water motors.
1 post-office,	

TREASURER'S REPORT.

WM. F. THAYER, *Treasurer*, in account with

CONCORD WATER-WORKS.

RECEIPTS.

Balance cash on hand Jan. 1, 1882,	\$4,747.28	
Income of Water-Works,	27,243.06	
Water-Works bonds sold,	43,000.00	
Premium on bonds,	2,381.25	
Interest on bonds,	71.77	
	<hr/>	\$77,443.36

EXPENDITURES.

Paid interest on bonds,	\$20,745.00	
Maintenance and extension,	55,816.17	
Balance cash on hand,	882.19	
	<hr/>	\$77,443.36

Jan. 1, 1883. Balance cash on hand, \$882.19

Respectfully submitted.

WM. F. THAYER, *Treasurer*.

We hereby certify that we have examined the books of the City Treasurer, and those of the City Clerk, and find the accounts correctly cast and properly vouched ; and the cash balance in the hands of the treasurer is eight hundred and eighty-two dollars and nineteen cents (\$882.19).

GEO. A. CUMMINGS,

EDWARD DOW,

GEO. H. EMERY,

B. F. CALDWELL,

Committee on Finance.

REPORT

OF THE

COMMISSIONER OF HIGHWAYS,

FROM JAN. 1, 1882, TO JAN. 1, 1883.

RECEIPTS.

1882.

Jan.	1.	Cash balance on hand,	\$18.91
	19.	Cash of city treasurer,	100.00
Feb.	1.	"	600.00
	11.	"	300.00
Mar.	1.	"	800.00
Apr.	1.	"	800.00
	8.	"	500.00
May	1.	"	1000.00
	16.	"	500.00
June	1.	"	2000.00
	20.	"	500.00
July	1.	"	2500.00
	11.	"	500.00
	13.	"	800.00
Aug.	1.	"	2000.00
	28.	"	2000.00
Sept.	6.	"	500.00
	18.	"	500.00
Oct.	2.	"	2000.00
	25.	"	500.00

Nov.	1.	Cash of city treasurer,	\$1500.00
Dec.	1.	"	1500.00
	5.	"	500.00
	8.	"	300.00
	15.	"	400.00
	30.	"	500.00
		"	1175.57
		"	100.00
			<hr/> \$24,394.48

EXPENDITURES.

1882.

Jan.	19.	William S. Davis & Son,	\$6.95
		S. B. Hall, sand,	10.00
	20.	Fales P. Virgin, watering-trough,	3.00
	21.	J. A. Dadmun,	2.72
		George T. Abbott, hay,	12.50
	25.	C. H. Clough, watering-trough, &c.,	10.00
	20.	C. H. Norton & Son, sprinkling,	10.00
	28.	John Tenney, watering-trough,	3.00
	31.	Lincoln & Shaw, blanket,	4.75
Feb.	1.	J. H. Rowell, pay-roll,	308.38
		Thompson Rowell & Co., concrete,	76.78
		Thompson Rowell & Co., grade,	33.10
		John H. True, pay-roll,	45.00
		C. C. Bean, pay-roll,	136.96
		Partridge & Crossman,	1.50
	2.	Moses C. Sanborn, pay-roll,	2.00
		Robert B. Hoyt, pay-roll,	18.00
	7.	A. J. Smith, watering-trough,	3.00
		Abbot-Downing Co., repairs,	13.00
	9.	Mary Adams, lighting bridge,	13.00
		John D. Fife, " "	8.25

Feb.	13.	B. G. Carter, blacksmithing,	\$56.70
	14.	E. A. F. Hammond, lighting bridge,	9.60
		C. H. Farnum, rent of land,	24.00
	18.	R. Hall, pay-roll,	66.25
Mar.	1.	J. H. Rowell, pay-roll,	507.50
		J. H. True, “	45.00
		H. H. Potter, “	44.87
	2.	G. Shaw, watering-trough,	3.00
	2.	A. P. Bennett, pay-roll,	3.62
	7.	F. P. Batchelder, pay-roll,	15.00
	10.	Lowell Brown, “	5.37
	13.	W. P. Ford & Co., hardware,	14.52
		A. R. Farnum, pay-roll,	83.50
	14.	John T. Tenney, “	10.50
		John T. Batchelder, pay-roll,	4.37
	15.	George P. Little, “	16.14
	17.	Simeon Farnum, “	43.00
	28.	George F. Hayward, “	8.50
	30.	Josiah S. Locke, “	13.12
Apr.	1.	Wm. S. Davis & Son, black- smithing,	41.57
		J. H. Rowell, pay-roll,	375.37
		John H. True,	50.00
	3.	Continental Construction Co., granite wall,	400.00
		D. W. Hobbs, pay-roll,	30.21
		B. F. Varney, “	33.20
	8.	Batchelder & Co., grain,	170.50
		H. H. Potter, pay-roll,	5.85
	10.	A. S. Smith, “	15.45
	11.	Charles H. Merrill, pay-roll,	34.71
		Moody S. Farnum, pay-roll,	16.37
	15.	Water-works bill,	70.00
	21.	I. K. Gage, lighting bridge,	32.31
		G. H. Hammond, hay,	11.40

Apr.	22.	B. E. Badger, surveying,	\$28.87
	25.	C. T. Page, pay-roll,	6.50
	28.	A. S. Farnum, pay-roll,	59.17
		M. H. Johnson, granite,	100.00
	29.	C. H. Norton, granite,	36.05
May	1.	J. H. Rowell, pay-roll,	733.07
		John H. True, “	50.00
		Wm. H. Hammond, pay-roll,	33.33
	6.	John D. Fife, lighting bridge,	8.25
	8.	Simeon Farnum, plank,	28.00
		Hugh Tallant, highway,	15.00
		S. D. McKenzie, prof. services,	11.50
		Mary Adams, lighting bridge,	12.20
	9.	C. C. Bean, pay-roll,	107.70
		Lowell Brown, “	19.00
	10.	G. H. Dimond, “	56.31
	12.	N. M. Kayes, “	1.20
	15.	W. W. Cochran, freight,	1.00
	16.	J. E. Farnum, pay-roll,	77.15
	20.	J. W. Bourlet, “	15.25
		M. H. Johnson, granite,	200.00
	26.	George T. Comins, wood,	6.00
June	1.	J. H. Rowell, pay-roll,	1534.87
		John H. True, “	50.00
		Foss & Merrill, surveys,	37.75
		Batchelder & Co, grain,	137.61
	2.	A. B. Tallant, pay-roll,	10.00
	6.	A. C. Abbott, “	2.75
		R. B. Hoyt, “	18.40
	7.	C. C. Bean, “	154.89
	8.	Blocking crusher,	12.00
	19.	George F. Hayward, pay-roll,	43.12
		C. P. Little, “	18.00
	21.	Continental Construction Co., flagging-stone,	100.00
	24.	A. G. Harris,	3.50

June	29.	Annis & Bond, granite,	\$60.00
July	1.	J. H. Rowell, pay-roll,	1831.72
		Merrill Dyer, stone-work,	59.87
		W. H. Hammond, pay-roll,	50.00
		John H. True, “	63.00
		A. S. Farnum, “	131.00
	3.	Lowell Brown, “	3.00
		Donegan & Davis, granite,	10.39
		E. A. F. Hammond, lighting bridge,	26.50
	5.	John A. White, highways,	24.35
		C. H. Martin & Co.,	8.38
		George T. Comins, wood,	3.00
		H. H. Potter, pay-roll,	107.92
		George Goodhue, plumbing,	33.26
		Charles H. Merrill, pay-roll,	40.36
	6.	George Prescott, signs,	2.50
	8.	Moody S. Farnum, pay-roll,	48.88
		W. K. Holt & Co.,	71.30
	10.	Simmons & Jobert, horse,	350.00
	11.	C. C. Beau, pay-roll,	372.00
	13.	Lowell Brown, pay-roll,	7.50
	14.	James R. Hill, harnesses,	125.00
		Gust Walker, hardware,	143.33
		J. H. Rowell & Co., concrete,	500.00
	23.	Trucking,	4.00
	25.	S. D. McKenzie, professional services,	10.00
	26.	E. B. Hutchinson, lumber,	23.18
		W. S. Davis & Son,	14.00
	31.	Concord R. R., freight,	2.22
Aug.	1.	B. G. Carter, blacksmithing,	22.37
Aug.	1.	Humphrey, Dodge & Smith,	31.59
		John H. True, pay-roll,	50.00
		C. W. Harvey, grade,	10.00
		J. H. Rowell, pay-roll,	1,522.74

Aug.	1.	C. P. Little, pay-roll,	\$8.00
		M. H. Johnson, granite,	200.00
	4.	Farrell Foundry Co., castings,	24.88
	5.	Irvin A. Young, fencing,	7.00
	7.	Mary Adams, lighting bridge,	12.00
	8.	J. D. Fife, lighting bridge,	8.25
		George Prescott, guide-boards,	6.80
		Robert Hall, pay-roll,	122.29
	9.	George T. Comins, wood,	3.00
	21.	D. W. Hobbs, pay-roll,	20.00
		John W. Bourlet, pay-roll,	26.12
		G. H. Dimond, pay-roll,	55.70
	23.	L. Eastman, jack-screw,	1.50
	26.	F. M. Heath, pay-roll,	38.00
	29.	John Carter, laying pipe,	4.00
	30.	Robertson, Rowell & Co., coal,	85.00
	31.	George T. Comins, wood,	3.00
Sept.	1.	J. H. Rowell, pay-roll,	1,546.70
		W. H. Hammond, pay-roll,	50.00
		John H. True, pay-roll,	50.00
		Patrick Hackett, hay,	13.60
		George Abbott, Jr., painting,	6.00
	5.	S. D. McKenzie, professional services,	11.50
		H. Partridge, pay-roll,	151.75
	6.	A. S. Farnum, pay-roll,	115.23
		“ plank,	29.50
	7.	C. C. Bean, pay-roll,	281.75
	8.	S. S. Jenness, pay-roll,	3.00
	11.	George C. Spead, land damage,	12.00
		Harvey Farnum, pay-roll,	8.00
	12.	B. F. Varney, boards,	5.20
	16.	George F. Hayward, pay-roll,	30.00
	18.	J. S. Locke, pay-roll,	113.68
	23.	George Goodhue, plumbing,	40.58
	25.	M. H. Johnson, granite,	200.00

Sept.	28.	H. H. Potter, pay-roll,	\$30.97
	30.	Partridge & Crossman,	16.00
Oct.	2.	W. H. Hammond, pay-roll,	50.00
		J. H. Rowell, pay-roll,	1,203.86
		Patrick Griffin, trucking,	1.00
		Batchelder & Co., grain,	177.19
	4.	J. J. Wyman, tallow,	7.20
		Foss & Merrill, surveys,	28.18
	6.	Humphrey, Dodge & Smith,	10.80
		Concord R. R., freight,	1.00
		Farrell Foundry Co., castings,	12.00
	7.	S. G. Gale, lead pipe,	70.22
	9.	Flanders, White & Houston,	36.00
		George T. Comins, wood,	3.00
		Frank P. Batchelder, pay-roll,	15.50
	10.	J. H. Rowell, pay-roll,	52.75
	20.	City Water-Works,	82.00
	29.	J. H. Rowell & Co., concrete,	600.00
Nov.	1.	J. H. Rowell, pay-roll,	1,340.23
		John H. True, pay-roll,	50.00
		J. D. Fife, lighting bridge,	8.25
	2.	Mary A. Adams, lighting bridge,	13.00
	4.	Lowell Brown, pay-roll,	11.25
	7.	Concord Axle Co.,	11.13
	15.	H. Partridge, pay-roll,	159.23
		A. J. Holmes, granite,	41.20
	16.	Samuel Holt, brick,	37.60
	21.	S. D. McKenzie, professional services,	3.00
	22.	A. S. Farnum, pay-roll,	96.57
	24.	Moses C. Sanborn, pay-roll,	25.00
	30.	C. P. Little, granite,	52.00
Dec.	1.	J. H. Rowell, pay-roll,	846.53
		John H. True, pay-roll,	50.00
	2.	John T. Tenney, pay-roll,	16.00
		Frank P. Batchelder, pay-roll,	2.00

Dec.	2.	John Whitaker & Co., plank, etc.,	\$313.39
	5.	M. H. Johnson, granite,	413.02
		Gilman H. Dimond, pay-roll,	36.44
		H. H. Potter, pay-roll,	13.75
	6.	Simeon Farnum, pay-roll,	69.37
	7.	Robert Hall, pay-roll,	103.35
		H. Partridge, plank and stone,	19.00
	9.	Moody S. Farnum, pay-roll,	8.87
	12.	O. V. & W. H. Pitman, edge- stone,	22.05
	14.	J. H. Rowell & Co., concrete,	500.00
		A. P. Bennett, pay-roll,	27.13
	18.	Fuller & Co., blacksmithing,	7.50
		C. R. Schoolcraft & Co., oil for lighting bridge,	2.04
	21.	Patrick Griffin, trucking,	2.50
	23.	George W. Chesley, plank,	8.74
	25.	Woodworth, Dodge & Co., ce- ment,	19.30
		H. W. Clapp & Co., traps, etc.,	46.00
		Northern R. R., hose,	9.10
		Abbot-Dowing Co.,	3.00
		W. K. Holt & Co., lumber,	11.78
	26.	C. H. Martin & Co., oil,	3.75
		Wm. P. Ford & Co., hardware,	3.92
		Gust Walker & Co., hardware,	24.97
	27.	Mead, Mason & Co., plank,	37.58
	30.	B. E. Badger, surveying and edge-stone,	54.12
		Humphrey, Dodge & Smith, hardware,	3.08
		John T. Gilman, pay-roll,	23.98
		John H. True, pay-roll,	50.00
		J. H. Rowell, pay-roll,	264.00
		Foss & Merrill, surveying,	38.51

Dec. 30.	Ford & Kimball, hardware,	\$85.12
	Wm. S. Davis & Son, black-	
	smithing,	32.80
	Robertson, Rowell & Co., coal,	35.00
	Stevens & Duncklee,	11.83
	J. H. Rowell, incidentals,	19.38
	J. H. Rowell & Co., grade,	38.30
	N. G. Mead, edge-stone,	16.51
	Concord Construction Co., for	
	granite,	76.20
	E. A. F. Hammond, lighting	
	bridge,	28.50
	J. H. Rowell & Co., concrete,	980.72
		<hr/> \$24,394.48

RECEIPTS.

Cash of individuals on city account as follows :

1882.

Feb. 7.	Mary D. Hart, concrete,	\$21.22
Mar. 27.	R. H. Potter, gravel bank,	10.00
Apr. 11.	E. A. Moulton, concrete,	13.28
	11. S. R. Hill, “	16.20
Aug. 24.	W. D. Wallace, “	37.10
Sept. 8.	J. H. Rowell, labor,	2.50
Nov. 27.	C. E. Foote, concrete,	6.06
	28. Miss A. Herbert, “	16.22
	Josiah Sanborn, “	7.81
	S. Seavey, “	12.50
	Wm. Hurd, “	12.38
	J. Evans, “	18.68
	Fred Allison, “	14.18
	J. R. Hill, “	9.02
	C. B. Hill, “	16.83
	Philip O'Connell, “	57.98
	A. A. Currier, “	10.86

Nov. 28.	S. Dana,	concrete,	\$13.11
	I. M. Savage,	"	7.55
	W. B. Stearns,	"	7.57
	M. R. Holt,	"	17.79
Dec. 1.	Edward Dow,	"	124.44
	Josiah Fernald,	"	7.66
	J. B. Rand,	"	10.92
	A. A. Hill,	"	19.27
	Miss F. Goss,	"	46.57
	John Morris,	"	6.88
	Mr. Lynch,	"	12.68
	C. T. Huntoon,	"	14.19
	M. B. Critchett,	"	13.37
	Dutton Woods,	"	7.30
	O. V. Pitman,	"	18.67
	H. A. Roby,	"	3.99
	J. H. Gallinger,	"	4.20
	Mrs. Nath'l White,	"	67.76
	Mrs. W. H. Wright,	"	21.16
	P. Meehan,	"	5.62
	Concord Construction		
	Co.,	"	84.95
	George Abbott,	"	17.76
	John Sawyer,	"	3.42
	Mead, Mason & Co.,	"	74.08
	B. E. Badger,	"	26.82
	Cyrus R. Robinson, manure,		27.00
	Hugh Tallant, manure,		15.00
Dec. 30.	John P. Jewell,	concrete,	15.02
	M. D. Cummings,	"	9.92
	Mrs. Dr. Hosmer,	"	10.00
	Harry Miller,	"	4.24
	S. K. Gill,	"	26.43
	W. H. Crockett,	"	16.76
	Mrs. Hamilton,	"	11.00
	S. Sargent,	"	10.21

Dec. 30.	James Blake,	concrete,	\$11.08	
	L. Emery,	"	7.64	
	Joseph O. Trask,	"	10.13	
	N. G. Mead,	"	17.62	
	W. B. Safford,	"	8.70	
	Mrs. Cyrus Hill,	"	67.64	
	S. Blood,	"	19.02	
	A. J. Prescott,	"	12.29	
	T. J. Carpenter,	"	17.83	
	T. H. Ford,	"	9.90	
	Charles Smart,	"	2.65	
	B. F. Virgin,	"	35.66	
	Mrs. D. Osgood,	"	10.85	
	Geo. S. Blanchard,	"	19.85	
	Mrs. Sawyer Blanchard,	concrete,	38.77	
	Kilburn & Young,	exchange on		
	hogs,		3.43	
	Mark Holt,	street sweepings,	1.00	
	A. P. Sherburne,	"	1.00	
	Cash,	"	.50	
	Wm. H. Kimball,	"	1.00	
	Mr. Downing,	"	1.00	
	Thomas Robertson,	"	.50	
	Benj. French,	"	1.50	
	Union School Dis.,	"	24.00	
	Chas. H. Saunders,	"	6.00	
	Calvin Thorn,	"	1.50	
	Mr. Bartlett,	"	1.00	
	Freeman Webster,	"	1.00	
			<hr/>	\$1,398.69
	Paid city treasurer, as per clerk's receipts,			1,398.69

Respectfully submitted,

GEO. A. CUMMINGS,

Commissioner of Highways.